



Eaves Beam Recessed Faced

Our recessed face Eaves beams are designed to enable a smooth sheeting line for side cladding when using a standard bolt, simultaneously providing additional strength to the section. Positive roof pitches of up to 30° are catered for with this section.

For negative pitches, please refer to the flat faced Eaves Beam variant.

The following loads have been calculated with a wind side load of **1.0 kN/m²** and a factored gutter weight of **6kg** per linear metre.

The following loads have been calculated with a wind side load of **1.5 kN/m²** and a factored gutter weight of **6kg** per linear metre.

Eaves Beam Section	Span (m)	Total Working U.D.L. (kN)	Working Deflection (kN)	Ultimate kN / span	
				Gravity Load (kN)	Suction Load (kN)
20020	3.5	27.06	33.32	40.59	36.93
20025		37.06	41.37	55.59	49.77
25020		38.91	60.56	58.37	53.67
25025		53.05	75.34	79.57	72.21
25030		67.89	89.84	101.83	91.43
28020		45.24	79.25	67.85	62.01
28025		62.32	98.65	93.48	84.20
28030		79.56	117.71	119.34	106.38
20020	4.0	22.84	25.51	34.26	30.29
20025		31.51	31.67	47.26	40.92
25020		33.06	46.37	49.59	44.43
25025		45.33	57.68	67.99	59.90
25030		58.22	68.78	87.33	75.89
28020		38.45	60.68	57.67	51.26
28025		53.27	75.53	79.91	69.72
28030		68.26	90.12	102.39	88.13
20020	4.5	19.46	20.15	29.20	25.01
20025		25.03	25.03	40.62	33.88
25020		28.39	36.64	42.59	37.08
25025		39.20	45.57	58.80	50.11
25030		50.57	54.35	75.86	63.54
28020		33.04	47.94	49.56	42.71
28025		46.09	59.68	69.14	58.19
28030		59.31	71.21	88.97	73.61
20020	5.0	16.32	16.32	25.03	20.68
20025		20.27	20.27	35.18	28.12
25020		24.56	29.68	36.85	31.07
25025		34.19	36.92	51.29	42.11
25030		44.02	44.02	66.51	53.43
28020		28.60	38.83	42.90	35.71
28025		40.22	48.34	60.33	48.75
28030		52.02	57.68	78.03	61.72
20020	5.5	13.49	13.49	21.51	17.08
20025		16.75	16.75	30.61	23.34
25020		21.35	24.53	32.02	26.05
25025		30.00	30.51	44.99	35.43
25030		36.38	36.38	58.69	45.01
28020		24.87	32.09	37.30	29.86

Total Working U.D.L. (kN)	Working Deflection (kN)	Ultimate kN / span	
		Gravity Load (kN)	Suction Load (kN)
25.71	33.32	38.56	35.08
35.58	41.37	53.37	47.78
37.29	60.56	55.94	51.44
51.28	75.34	76.92	69.80
65.99	89.84	98.98	88.87
43.35	79.25	65.03	59.43
60.25	98.65	90.37	81.40
77.33	117.71	116.00	103.40
21.30	25.51	31.95	28.25
29.82	31.67	44.73	38.73
31.21	46.37	46.82	41.95
43.31	57.68	64.97	57.24
56.06	68.78	84.09	73.07
36.30	60.68	54.45	48.40
50.91	75.53	76.36	66.62
65.72	90.12	98.58	84.85
17.74	20.15	26.61	22.79
25.03	25.03	37.79	31.52
26.33	36.64	39.49	34.38
36.94	45.57	55.41	47.23
48.15	54.35	72.22	60.49
30.64	47.94	45.95	39.60
43.44	59.68	65.16	54.84
56.47	71.21	84.70	70.07
14.78	16.32	22.18	18.32
20.27	20.27	32.05	25.62
22.28	29.68	33.42	28.18
31.69	36.92	47.54	39.03
41.65	44.02	62.47	50.19
25.94	38.83	38.91	32.39
37.28	48.34	55.93	45.19
48.87	57.68	73.30	57.98
12.26	13.49	18.40	14.61
16.75	16.75	27.18	20.73
18.85	24.53	28.27	23.00
27.26	30.51	40.89	32.20
36.18	36.38	54.27	41.62
21.96	32.09	32.94	26.37

28025	6.0	35.31	39.95	52.96	40.89	32.09	39.95	48.13	37.16
28030		45.93	47.67	68.90	51.82	42.47	47.67	63.71	47.92
20020		11.34	11.34	18.49	14.05	10.08	11.34	15.12	11.49
20025		14.08	14.08	26.69	19.34	14.08	14.08	22.98	16.65
25020		17.43	20.61	27.88	21.80	15.88	20.61	23.82	18.62
25025		24.76	25.64	39.62	29.79	23.44	25.64	35.16	26.44
25030		30.57	30.57	52.04	37.91	30.57	30.57	47.24	34.41
28020		20.31	26.97	32.50	24.92	18.51	26.97	27.76	21.29
28025		29.17	33.57	46.66	34.25	27.61	33.57	41.42	30.40
28030		38.20	40.05	61.12	43.49	36.99	40.05	55.48	39.48
20020		6.5	9.66	9.66	19.87	18.24	9.66	9.66	18.26
20025	12.00		12.00	27.72	24.59	12.00	12.00	25.95	23.01
25020	17.56		17.56	29.14	26.76	17.56	17.56	27.19	24.97
25025	21.84		21.84	40.29	36.03	21.84	21.84	38.16	34.12
25030	26.05		26.05	52.04	45.58	26.05	26.05	49.74	43.57
28020	22.66		22.98	34.00	30.78	21.15	22.98	31.73	28.72
28025	28.60		28.60	47.49	41.79	28.60	28.60	44.97	39.58
28030	34.13		34.13	61.15	52.77	34.13	34.13	58.44	50.44
20020	7.0	8.33	8.33	17.81	16.14	8.33	8.33	16.09	14.59
20025		10.34	10.34	25.03	21.80	10.34	10.34	23.13	20.14
25020		15.14	15.14	26.30	23.85	15.14	15.14	24.22	21.96
25025		18.83	18.83	36.57	32.15	18.83	18.83	34.29	30.14
25030		22.46	22.46	47.40	40.68	22.46	22.46	44.93	38.56
28020		19.81	19.81	30.71	27.38	18.85	19.81	28.28	25.22
28025		24.66	24.66	43.13	37.21	24.66	24.66	40.44	34.89
28030		29.43	29.43	55.73	47.00	29.43	29.43	52.83	44.55
20020	7.5	7.26	7.26	15.99	14.30	7.26	7.26	14.17	12.67
20025		9.01	9.01	22.65	19.35	9.01	9.01	20.63	17.63
25020		13.19	13.19	23.79	21.29	13.19	13.19	21.58	19.31
25025		16.41	16.41	33.29	28.74	16.41	16.41	30.86	26.64
25030		19.57	19.57	43.32	36.37	19.57	19.57	40.69	34.17
28020		17.26	17.26	27.80	24.40	16.81	17.26	25.22	22.13
28025		21.48	21.48	39.30	33.19	21.48	21.48	36.43	30.76
28030		25.63	25.63	50.97	41.93	25.63	25.63	47.88	39.38
20020	8.0	6.38	6.38	14.36	12.67	6.38	6.38	12.44	10.98
20025		7.92	7.92	20.53	17.18	7.92	7.92	18.40	15.40
25020		11.59	11.59	21.56	19.01	11.59	11.59	19.22	16.95
25025		14.42	14.42	30.38	25.71	14.42	14.42	27.80	23.53
25030		17.20	17.20	39.70	32.56	17.20	17.20	36.92	30.27
28020		15.17	15.17	25.22	21.75	14.99	15.17	22.48	19.39
28025		18.88	18.88	35.89	29.62	18.88	18.88	32.84	27.11
28030		22.53	22.53	46.75	37.43	22.53	22.53	43.47	34.81
20020	8.5	5.65	5.65	12.90	11.22	5.65	5.65	10.88	9.47
20025		7.01	7.01	18.62	15.26	7.01	7.01	16.38	13.42
25020		10.27	10.27	19.55	16.98	10.27	10.27	17.09	14.84
25025		12.77	12.77	27.77	23.02	12.77	12.77	25.05	20.76
25030		15.23	15.23	36.46	29.16	15.23	15.23	33.52	26.81
28020		13.44	13.44	22.89	19.38	13.34	13.44	20.01	16.94
28025		16.73	16.73	32.83	26.45	16.73	16.73	29.62	23.86
28030		19.96	19.96	42.96	33.44	19.96	19.96	39.50	30.74
20020	9.0	5.04	5.04	11.57	9.93	5.04	5.04	9.46	8.12
20025		6.26	6.26	16.90	13.55	6.26	6.26	14.55	11.67
25020		9.16	9.16	17.73	15.16	9.16	9.16	15.15	12.95
25025		11.39	11.39	25.41	20.60	11.39	11.39	22.55	18.29
25030		13.59	13.59	33.54	26.13	13.59	13.59	30.45	23.72
28020		11.99	11.99	20.79	17.27	11.84	11.99	17.76	14.75

28025		14.92	14.92	30.07	23.61	14.92	14.92	26.69	20.95	
28030		17.80	17.80	39.55	29.88	17.80	17.80	35.90	27.12	
20020	9.5	4.52	4.52	10.37	8.76	4.52	4.52	8.17	6.91	
20025		5.62	5.62	15.34	12.03	5.62	5.62	12.88	10.11	
25020		8.22	8.22	16.08	13.53	8.22	8.22	13.38	11.25	
25025		10.23	10.23	23.26	18.44	10.23	10.23	20.27	16.07	
25030		12.19	12.19	30.89	23.42	12.19	12.19	27.64	20.96	
28020		10.76	10.76	18.88	15.36	10.47	10.76	15.71	12.78	
28025		13.39	13.39	27.56	21.06	13.39	13.39	24.02	18.35	
28030		15.98	15.98	36.45	26.69	15.98	15.98	32.63	23.89	
20020		10.0	4.08	4.08	9.26	7.73	4.08	4.08	6.98	5.82
20025			5.07	5.07	13.90	10.68	5.07	5.07	11.35	8.72
25020	7.42		7.42	14.57	12.05	7.42	7.42	11.75	9.72	
25025	9.23		9.23	21.30	16.50	9.23	9.23	18.18	14.08	
25030	11.01		11.01	28.46	20.99	11.01	11.01	25.07	18.49	
28020	9.71		9.71	17.12	13.65	9.21	9.71	13.82	11.01	
28025	12.08		12.08	25.26	18.78	12.08	12.08	21.56	16.03	
28030	14.42		14.42	33.62	23.85	14.42	14.42	29.62	21.01	
20020	11.0		3.37	3.37	9.44	9.51	3.37	3.37	8.07	8.14
20025		4.19	4.19	13.76	12.81	4.19	4.19	12.22	11.38	
25020		6.13	6.13	14.54	14.11	6.13	6.13	12.84	12.46	
25025		7.63	7.63	20.78	18.99	7.63	7.63	18.88	17.26	
25030		9.10	9.10	27.39	23.96	9.10	9.10	25.32	22.15	
28020		8.02	8.02	17.14	16.05	8.02	8.02	15.13	14.17	
28025		9.99	9.99	24.70	21.76	9.99	9.99	22.45	19.77	
28030		11.92	11.92	32.42	27.41	11.92	11.92	29.98	25.35	
20020	12.0	2.83	2.83	7.89	8.03	2.83	2.83	6.45	6.57	
20025		3.52	3.52	11.74	10.86	3.52	3.52	10.11	9.35	
25020		5.15	5.15	12.41	12.04	5.15	5.15	10.60	10.28	
25025		6.41	6.41	18.00	16.24	6.41	6.41	15.97	14.41	
25030		7.64	7.64	23.94	20.49	7.64	7.64	21.74	18.60	
28020		6.74	6.74	14.67	13.63	6.74	6.74	12.53	11.64	
28025		8.39	8.39	21.46	18.51	8.39	8.39	19.05	16.43	
28030		10.01	10.01	28.41	23.33	10.01	10.01	25.79	21.18	

For calculations outside of these parameters, please contact Technical support.

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